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MONTANA OIL AND GAS STATISTICAL BULLETIN

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Vol. XXI, No. 12 **DECEMBER, 1973**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of December, 1973, averaged 96,321 barrels daily, a decrease of 203 barrels from the average November production of 96,524.

The nine refineries in the state processed 169,799 barrels of crude oil daily for the month of December, 1973, an increase of 24,197 barrels from the 145,602 barrels processed daily during the month of November.

During December, 68 wells were completed, 5 oil, 30 gas and 33 dry holes.

During December, the commission issued 44 permits to drill new wells, a decrease of 46 from the 90 permits issued during November.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF DECEMBER, 1973

IN STORAGE Deecember 1st	
By Producers	297,491
By Transporters	1,311,019
By Refiners	1,031,624
TOTAL STORAGE	2,640,134
Produced in Montana During Month	2,985,965
Imported During Month	4,412,353
TOTAL	10,038,452
DISPOSITION:	
Refined in Montana	5,263,779
Exported	2,119,121
Used for Fuel or Lost	1,694
TOTAL	7,384,594
IN STORAGE December 31st	
By Producers	313,272
By Transporters	1,326,148
By Refiners	1,014,438
TOTAL STORAGE	2,653,858

NATURAL GAS WITHDRAWALS IN MONTANA

Month of December, 1973

Field	M. C. Ft.
Bear's Den	3,554
Big Coulee	144,107
Black Coulee	23,950
Blackjack	59,025
Bowdoin	541,385
Bowes	54,971
Cabin Creek	56,545
Cedar Creek	1,943,622
Cut Bank (including Regan)	313,348
Dry Creek	47,361
Elk Basin	45,322
Flat Coulee	10,150
Gold Butte	—0—
Grandview	23,956
Hardin	1,881
Keith Block	111,419
Kevin Sunburst	48,761
Lake Basin	10,731
Liscom Creek	28,464
Middle Butte	3,014
Mt. Lilly	15,326
Pine	48,990
Plevna	7,090
South Devon	25,537
Tiger Ridge	2,148,962
Trail Creek	10,016
Utopia	58,310
West Butte	68,360
Whitlash	64,133
Miscellaneous	295,119
TOTAL	6,213,409

Total Withdrawals for December, 1972, were 7,031,200.

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PRODUCERS REPORT — MONTH OF DECEMBER, 1973

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
3	Ash Creek	3	211	850		906		155
1	Bainville	1	2,271	2,092		2,080		2,283
4	Bear's Den	5	961	993		1,029		925
18	Bell Creek	241	19,778	780,950	780,164		7	20,557
----	Benrud		281					281
1	Benrud East	1	1,759	12,441	12,843			1,357
1	Benrud Northeast	1	615	1,500	1,500			615
----	Berthelote		287					287
5	Big Wall	14	1,435	6,754	7,224			965
2	Blackfoot	2	433	726	726			433
5	Border	6	3,033	707		812		2,928
1	Bowes	41	5,706	13,956	13,247			6,415
1	Bradley	1	450	475	475			450
1	Brady	1		470	470			
4	Brorson-Madison	4	941	3,128		3,084		985
5	Brorson-Red River	5	5,565	10,340		8,968		6,937
3	Brorson-Red River South	3	2,570	5,111		5,993		1,688
1	Burns Creek	1	357	2,026		1,678		705
6	Brush Lake	6	1,613	12,451	11,950			2,114
2	Cabin Creek	85		205,099	205,099			
1	Canal	1	884	5,853		6,083		654
9	Cat Creek	40	2,450	12,583	12,650			2,383
1	Chelsea Creek	1	378	333		427		284
----	Clark's Fork		12					12
1	Clark's Fork South	1	100	1,716		1,716		100
4	Conrad South	4		982	982			
2	Cow Creek	2	345	706		724		327
4	Cow Creek East	5	1,281	15,063		14,598		1,746
1	Culbertson	1	133	495		526		102
3	Cupton	7	3,108	7,515	4,399	1,943		4,281
124	Cut Bank	844	56,199	335,092	335,039	1,822	7	54,423
----	Dean Dome		65					65
1	Deer Creek	1	469	1,101	1,298			272
1	Delphia	1	150	39				189
----	Devil's Basin		496					496
2	Dwyer	10	3,628	10,270	9,959			3,939
3	Elk Basin	48	660	112,084	112,103			641
5	Elk Basin Northwest	8	1,500	2,931	2,818			1,613
4	Fairview	8	9,527	30,766	12,302	18,695		9,296
2	Fertile Prairie	2	553	1,193		1,217		529
5	Flat Coulee	21	1,987	10,544	10,489			2,042
36	Flat Lake	52	2,765	56,161	55,848			3,078
6	Flat Lake South	6	1,034	8,002	8,206			830
1	Four Buttes	1	476	391		427		440
1	Ft. Gilbert	2	1,732	12,740	13,770			702
1	Frannie	1		744	744			
8	Fred & George Creek	26	2,325	46,152	46,537			1,940
1	Froid South	1	416	590		749		257
1	Gage	1	168	82				250
3	Gas City	17	3,642	21,388	17,062	3,101		4,867
1	Girard	1	1,448	1,274		1,371	23	1,328
10	Glendive	13	1,223	22,536	22,219			1,540
9	Goose Lake	27	3,808	23,925	24,529			3,204
10	Graben Coulee	30	5,436	17,428	13,204	2,217		7,443
1	Gypsy Basin	1		195		195		
1	Hay Creek-Mission Canyon	1	36	2,856	2,658			234
1	Hay Creek-Red River	1	588	2,921	2,999			510
4	Hiawatha	4	1,904	5,007	4,593			2,318
1	Hibbard	1	402	288		412		278
----	Injun Creek		266					266
6	Ivanhoe	11	1,457	3,429	3,277			1,609
2	Jim Coulee	19	3,727	36,977	37,533			3,171
6	Keg Coulee	19	3,728	13,187	12,164		99	4,652
2	Keg Coulee North	2	415	2,085	1,780			720
1	Kelley	3	748	4,662	4,595			815
72	Kevin Sunburst	367	10,678	21,797	19,038	2,527	64	10,846
8	Laird Creek	10	614	2,614		2,560		668
1	Landslide Butte	2	1,751	370		1,460		661
3	Leary	3	1,096	2,167		1,644		1,619
1	Little Beaver	23		39,806	39,806			
2	Little Beaver East*	10	1,008	9,510	9,803			715
1	Little Wall Creek	1	196	3,077	3,086			187
1	Lodge Grass	1	440	776		286		930
7	Lonetree Creek	7	5,564	21,160		21,480		5,244
3	Lookout Butte (Coral Creek)	30	584	57,778	57,687			675
1	Mason Lake	1	945	280	1,049			176
2	Melstone	3	598	2,040	1,778			860
1	Mineral Bench	1	759	594	850			503
7	Monarch	12	3,142	12,092	8,884	2,883		3,467
1	Mosser	1		48		48		
1	Nohly	1	735	9,786		9,301		1,220
2	Otis Creek	2	960	2,019		2,227		752
6	Outlook	8	4,445	12,648	11,709			5,384
1	Outlook South	1	1,299	350	845			804
2	Outlook West	2	1,039	2,227	1,693			1,573
1	Pennel-Lookout Butte	106		199,603	199,603			
4	Pine	109	17,234	257,409	255,850			18,793
62	Pondera	258	3,872	24,630	23,904			4,598
6	Poplar	63	6,864	45,893	43,494			9,263
3	Poplar Northwest	3	1,636	1,238	1,986			888
----	Prairie Elk		474					474
1	Pritchard Creek	5	167	1,056	1,056			167
1	Putnam	2	242	7,350		7,122		470
3	Rabbit Hills	3	1,712	6,769		6,027		2,454
7	Ragged Point	16	4,153	15,699	15,764			4,088
2	Rattlesnake Coulee	2	452	363	390			425
4	Raymond	4	2,730	40,881	39,746		1,195	2,670
3	Reagan	44	860	15,697	15,625			932
1	Red Creek	19		12,732	12,732			
1	Red Fox	1	315	686	668			333
1	Redstone	1	497	136	372			261
1	Repeat	1	20	197		157		60
3	Reserve	4	655	3,543	3,313			885
1	Richey	1	490	373	650			213
1	Richey Southwest	5	415	1,117	976			556
1	Rush Mountain	1	339	2,279	2,234			384
2	Salt Lake	3	274	3,417		3,301		390
2	Sand Creek	2	1,183	1,147	1,147			1,183
1	Second Creek	1	968	6,461		6,414		1,015
2	Sioux Pass	2	1,484	23,211	11,809	10,496		2,390
1	Snyder	3	523	600		157		966
8	Soap Creek	18	1,745	4,355		1,580		4,520
2	Spring Lake	2	1,391	1,413		1,758		1,046
3	Stensvad	8	2,661	41,155	40,395			3,421
18	Sumatra	81	18,971	98,857	97,935		26	19,867
5	Tule Creek	5	2,687	18,845		18,498		3,034
2	Tule Creek East	2	619	5,312		5,263		668
1	Tule Creek South	1	575	2,410		2,155		830
1	Vida	2	670	614		616		668
4	Volt	5	1,372	9,316	8,642			2,046
3	Weldon	3	878	5,442	5,182			1,138
1	West Butte	1		1,049		1,049		
14	Whitlash	38	6,932	11,329	11,524			6,737
----	Whitlash West		284					284
2	Willow Creek North	2	690	1,507	1,754			443
2	Wills Creek South	2		2,549	2,549			
2	Wolf Springs	2	1,324	1,574	2,379			519
2	Woodrow	2	516	2,074	2,183			407
2	Wright Creek	4	1,550	1,215	838			1,927
----	Wildcat, Blaine Co.		157					157
----	Wildcat, McCone Co.		37					37
3	Wildcat, Musselshell Co.	3	549	9,327		9,106		770
1	Wildcat, Roosevelt Co.	1	242	1,641		1,492		391
----	Wildcat, Toole		294					294
664	TOTAL	2,993	297,491	2,985,965	2,768,383	200,380	1,421	313,272

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1972	33,904,139	92,634	33,861,385	92,517
First Quarter, 1973	8,463,610	94,040	8,461,995	94,022
Second Quarter, 1973	8,624,084	94,770	8,628,131	94,815
Third Quarter, 1973	8,630,888	93,814	8,631,425	93,820
October, 1973	3,019,910	97,416	3,025,227	97,587
Novemer, 1973	2,895,725	96,524	2,902,458	96,748
December, 1973	2,985,965	96,321	2,968,763	95,767

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage**	Total Oil in Storage**
September, 1973	311,328	1,337,313	757,706	2,406,347
October, 1973	304,351	1,202,212	987,667	2,494,230
Novemer, 1973	297,491	1,311,019	1,031,624	2,640,134
December, 1973	313,272	1,326,148	1,014,438	2,653,858

*Montana Oil Only **Includes Wyoming Oil

TRANSPORTERS REPORT — MONTH OF DECEMBER, 1973

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Co.			906				906		
BAINVILLE—Koch Oil Company			2,080				2,080		
BEAR'S DEN—Truck			1,029				1,029		
BELL CREEK—Pipeline	67,840	780,164					4[illegible]	[illegible]	[illegible]0
BIG WALL—Continental Pipeline Co.		7,224				7,224			
BLACKFOOT—Camerland Cardinal Corp.		726						726	
BORDER—Permian Corp.			812					812	
BOWES—Texaco		13,247				13,247			
BRORSON-MADISON, BRORSON-RED RIVER AND BRORSON-RED RIVER SOUTH—Koch Oil Company			18,045					18,045	
BRUSH LAKE—Portal Pipeline Co.		11,950					11,950		
BURNS CREEK—Western Crude Oil, Inc.			1,678				1,678		
CABIN CREEK AND OTHERS*—Butte Pipeline Co.	284,593	478,980	24,474	1,526,023			2,082,988		231,082
Shell Pipeline Co.	5,497	326,904			(178)			328,055	4,524
	290,090	805,884	24,474	1,526,023	(178)		2,082,988	328,055	235,606
CANAL—Koch Oil Company			6,083				6,083		
CAT CREEK—Continental Pipeline Co.		13,010				13,010			
CHELSEA CREEK—Western Crude Oil, Inc.			427				427		
CLARK'S FORK AND CLARK'S FORK SOUTH—Permian Corp.			1,716				1,716		
COW CREEK AND COW CREEK EAST—Western Crude Oil, Inc.			15,322				15,322		
CULBERTSON—Spruce Oil Co.			526				526		
CUT BANK—Continental Pipeline Co.		188,744	8,181					196,925	
Phillips Petroleum Co.	66,653	111,418		33,143	3,794	160,448			46,972
Texas Pipeline Co.	17,079	34,064		75,518	(1,702)	107,513			20,850
Union Oil Co.	67,917	41,794			(1,105)	75,973			34,843
Western Oil Trans. Co.		26,214						26,214	
Western Oil Trans. Co. (Moulton)		166,511						166,511	
	151,649	568,745	8,181	108,661	987	343,934		389,650	102,665
DWYER—Portal Pipeline Co.		9,959					9,959		
ELK BASIN AND ELK BASIN NORTHWEST—Marathon Pipeline Co.		114,920				114,920			
FAIRVIEW—Fairview Pipeline Co.		12,302					12,302		
Koch Oil Company			18,695				18,695		
		12,302	18,695				30,997		
FLAT COULEE—Camerland Cardinal Corp.		10,224				10,224			
FLAT LAKE AND FLAT LAKE SOUTH—Portal Pipeline Co.		59,967					59,967		
FT. GILBERT—Fairview Pipeline Co.		13,770					13,770		
FOUR BUTTES—Truck			427					427	
FRANNIE—Interstate Pipeline Co.		744					744		
FRED AND GEORGE CREEK—Camerland Cardinal Corp.	14,161	46,209				52,964			7,397
FROID SOUTH—Truck			749					749	
GIRARD—Koch Oil Company			1,371				1,371		
GLENDIVE, DEER CREEK, WOODROW AND SAND CREEK—Texas Pipeline Co.	6,716	24,051			(521)			24,064	7,224
GOOSE LAKE—Portal Pipeline Co.		23,396					23,396		
HAY CREEK—Fairview Pipeline Co.		5,657					5,657		
HIAWATHA—Continental Pipeline Co		4,391					4,391		
IVANHOE—Continental Pipeline Co.		3,277				2,878	399		
JIM COULEE—Continental Pipeline Co.		37,550						37,550	
KEG COULEE AND KEG COULEE NORTH—Continental Pipeline Co.		13,746				13,746			
KELLEY—Continental Pipeline Co.		4,595				4,595			
KEVIN SUNBURST—Big West Oil Co.	6,601			14,188		13,175			7,614
Homestake Oil & Gas Co.	3,263	1,004			592	1,923			1,752
Texas Pipeline Co.	11,346	6,243			214	6,107			11,268
	21,210	7,247		14,188	806	21,205			20,634
LEARY—Permian Corp.			1,644				1,644		
LODGE GRASS—Permian Corp.			286			286			
LONE TREE CREEK—Koch Oil Co.			21,480					21,480	
MASON LAKE—Continenal Pipeline Co.		1,049				1,049			
MELSTONE—Continental Pipeline Co.		1,778				1,778			
MIDDLE WALL—Continental Pipeline Co.**		3,002						3,002	
MOSSER—Permian Corp.			48				48		
NOHLY—Koch Oil Co.			9,301				9,301		
OTIS CREEK—Western Crude Oil, Inc.			2,227				2,227		
OUTLOOK, OUTLOOK SOUTH AND OUTLOOK WEST—Portal Pipeline Co.		14,250					14,250		
PONDERA—Phillips Petroleum Co.	44,272	23,424			899	38,034			28,763
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE—East Poplar Gathering System	5,620	52,860			1			49,867***	8,612
PUTNAM—Western Crude Oil, Inc.			7,122				7,122		
RABBIT HILLS—Koch Oil Co.			6,027				6,027		
RAGGED POINT—Continental Pipeline Co.		13,549				13,549			
RAYMOND—Portal Pipeline Co.		39,746					39,746		
RED CREEK—Western Oil Transportation Co.		20,097						20,097	
RESERVE—Portal Pipeline Co.		3,313					3,313		
RUSH MOUNTAIN—Sinclair Ref. Co.		2,234					2,234		
SALT LAKE—Koch Oil Company			3,301				3,301		
SECOND CREEK—Koch Oil Company			6,414				6,414		
SNYDER—Permian Corp.			157			157			
SOAP CREEK—Permian Corp.			1,580				1,580		
SPRING LAKE—Koch Oil Co.			1,758				1,758		
SUMATRA AND STENSVAD—Continental Pipeline Co.	702,195	134,607		3,286,113	(1,749)	122,162		3,148,323	854,179
TULE CREEK—Spruce Oil Co.	7,266		23,761			27,769			3,258
Permian Corp.			2,155			2,155			
	7,266		25,916			29,924			3,258
WHITLASH AND WHITLASH WEST—Camberland Cardinal Corp.		11,798				9,373		2,425	
WOLF SPRINGS—Continental Pipeline Co.		2,379				2,379			
WILDCAT WELLS—Truck			10,598					10,598	
TOTAL	1,311,019	2,917,032	200,380	4,934,985	245	816,638	2,827,156	4,393,229	1,326,148

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Richey, Richey Southwest, Vida, Weldon and Wills Creek South.
**Little Wall Creek and Willow Creek North.
***Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF DECEMBER, 1973

	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Exxon Co.	Farmers Union	Jet Fuel Refinery	Phillips Petroleum Co.	Spruce Oil Co.	Westco Refining Co.	Total
Big Wall		7,224								7,224
Cat Creek		2,470			10,581					13,051
Cut Bank	69,901						166,061		132,493	368,455
Elk Basin		44,380		35,651	34,889					114,920
Flat Coulee									10,224	10,224
Fred & George Creek	52,964									52,964
Ivanhoe		2,878								2,878
Keg Coulee		10,890		802	2,252					13,944
Kelley				4,595						4,595
Kevin Sunburst	21,205									21,205
Lodge Grass		286								286
Mason Lake		1,049								1,049
Melstone					1,778					1,778
Pondera							21,694			21,694
Ragged Point					13,549					13,549
Snyder		157								157
Sumatra & Stensvad		14,994		48,084	68,541					131,619
Tule Creek								59,988		59,988
Whitlash							9,467			9,467
Wolf Springs				2,379						2,379
Total Montana Oil	144,070	84,328		91,511	131,590		197,222	59,988	142,717	851,426
Canadian Oil Imported		152,739		498,660	539,370					1,190,769
Wyoming Oil Imported		1,087,716		1,242,800	891,068					3,221,584
Total Montana, Canadian & Wyoming Oil	144,070	1,324,783		1,832,971	1,562,028		197,222	59,988	142,717	5,263,779

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year 1972	24,723	37,303	70,391	132,417
December, 1972	25,993	43,719	71,441	141,153
December, 1973	27,465	38,412	103,922	169,799

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year 1972	18.67%	28.17%	53.16%
December, 1972	18.42%	30.97%	50.61%
December, 1973	16.17%	22.62%	61.21%